

Title (en)

A mounting arrangement for an electrical machine

Title (de)

Befestigungsanordnung für eine elektrische Maschine

Title (fr)

Agencement de montage pour une machine électrique

Publication

**EP 2378630 B1 20171115 (EN)**

Application

**EP 11159533 A 20110324**

Priority

GB 201006329 A 20100416

Abstract (en)

[origin: EP2378630A2] A mounting arrangement for locating a stator (10) within a casing (16) of a rotating machine comprises at least one mounting plate (12) adapted to engage with the stator (10) and the casing (16). The mounting plate (12) has a series of discrete apertures (20) therein. The apertures (20) extend through the plate (12) and are arranged in an array to provide a convoluted path which impedes the transmission of the dynamic forces through the plate (12) and into the casing (16). The apertures (20) render the plate (12) more resilient to the dynamic forces that the stator (10) experiences in operation. Each aperture (20) divides the plate (12) into portions which provide anisotropic stiffness in the radial and tangential directions.

IPC 8 full level

**H02K 1/18** (2006.01)

CPC (source: EP US)

**H02K 1/185** (2013.01 - EP US); **H02K 5/24** (2013.01 - EP US)

Cited by

DE102016104594A1; WO2017157384A1; WO2021209264A1

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